

IN THE CLAIMS:

Please amend claims 17 and 20 as follows:

AB 1. (Previously Presented) An optical pick-up actuator ^{fig 3} comprising:
a lens holder mounted with an object lens and attached with coils at an outer ³⁰² surface thereof; ³⁰¹
a plurality of supporting means adapted to support the lens holder; ³¹¹
³⁰³ a fixed body ³¹² mounted with the lens holder and attached with a pair of first magnets and a coil, the first magnets and the coil serving to move the lens holder in a desired direction; and ^{305, 304}
³⁰⁷ second magnets mounted to the lens holder and adapted to move the lens holder in a direction different from the direction of the movement carried by the first magnets and the coil. } wing

2. (Previously Presented) The optical pick-up actuator according to claim 1, wherein the first magnets serve to conduct tracking and focusing operations, and the second magnets serve to conduct a tilt compensating operation. FIG 3

3. (Previously Presented) The optical pick-up actuator according to claim 1, wherein the second magnets are arranged in the lens holder. ✓

4. (Previously Presented) The optical pick-up actuator according to claim 1, wherein the second magnets comprises a magnet for conducting a tangential tilt compensating operation, and a magnet for conducting a radial tilt compensating operation. ✓

5. (Previously Presented) The optical pick-up actuator according to claim 1, wherein the lens holder serves as the second magnets. FIG 5 (502)

6. (Previously Presented) The optical pick-up actuator according to claim 1, wherein the coils are mounted to the fixed body to which the first magnets are mounted. FIG 3

7. (Previously Presented) The optical pick-up actuator according to claim 1, wherein one of the coils is mounted to the fixed body to which the first magnets are mounted, and the remaining coils are mounted to separate fixed bodies, respectively. FIG 7

8. (Previously Presented) The optical pick-up actuator according to claim 7, wherein the separate fixed bodies are arranged at opposite sides of the lens holder, respectively. *FIG 7*

9. (Previously Presented) An optical pick-up actuator mounted with an object lens and driven by a magnetic suspension, thereby recording information on a disk and reproducing the recorded information from a disk, comprising:

first magnet means operated by a moving magnet system to conduct tracking and focusing operations; and

second magnet means operated by a moving coil system to conduct a tilt compensating operation. *magnet fig 3 ? where?*

10. (Previously Presented) The optical pick-up actuator according to claim 9, wherein the second magnet means is adapted to conduct a tilt compensation in a tangential direction and a tilt compensation in a radial direction. *fig 3*

11. (Previously Presented) The optical pick-up actuator according to claim 9, wherein the second magnet means comprises a magnet unit for conducting a tilt compensation in a tangential direction, and a magnet unit for conducting a tilt compensation in a radial direction.

12. (Previously Presented) An optical pick-up actuator mounted with an object lens and driven by a magnetic suspension, thereby recording information on a disk and reproducing the recorded information from a disk, comprising:

first magnet means operated by a moving coil system to conduct tracking and focusing operations; and

second magnet means operated by a moving magnet system to conduct a tilt compensating operation. *fig 3*

13. (Previously Presented) The optical pick-up actuator according to claim 12, wherein the first magnet means is adapted to conduct a tilt compensation in a tangential direction and a tilt compensation in a radial direction. *where?*

only tracking + focusing

14. (Previously Presented) The optical pick-up actuator according to claim 12, wherein the first magnet means comprises a magnet unit for conducting a tilt compensation in a tangential direction, and a magnet unit for conducting a tilt compensation in a radial direction.

Ab
Conit

same as 13

15. (Previously Presented) An optical pick-up actuator mounted with an object lens and driven by a magnetic suspension, thereby recording information on a disk and reproducing the recorded information from a disk, comprising:

a first magnetic circuit unit driven in accordance with a moving coil system for tracking and focusing operations or radial and tangential tilting operations; and

a second magnetic circuit unit driven in accordance with a moving magnetic system for the radial and tangential tilting operations when the first magnetic circuit unit is driven for the tracking and focusing operations and being driven in accordance with the moving magnetic system for the tracking and focusing operations when the first magnetic circuit unit is driven for the radial and tangential tilting operations.

no switch

no disclosed

16. (Previously Presented) The optical pick-up actuator according to claim 15, wherein magnetic paths for the magnetic circuit units respectively driven for the tracking and focusing operations and the radial and tangential tilting operations are present in the same space.

17. (Currently Amended) The optical pick-up actuator according to claim 15, wherein ~~one of four the magnetic circuits included in each of~~ paths for the first and second magnetic circuit units ~~and~~ respectively adapted to conduct the tracking, focusing, radial tilting, and tangential tilting operations ~~is are present beyond the magnetic path for the associated magnetic circuit unit in the same space.~~

18. (Previously Presented) The optical pick-up actuator according to claim 15, wherein coils included in each of the magnetic circuit units for the tracking and focusing operations or the radial and tangential tilting operations is supplied with current via a supporting means adapted to support the lens holder, and coils included in the magnetic circuit unit and associated with the remaining operations are connected to a fixed body.

19. (Previously Presented) The optical pick-up actuator according to claim 15, wherein coils included in each of the magnetic circuit units the tracking and focusing operations and the radial and tangential tilting operations, a lens holder adapted to hold the object lens, and magnets mounted to the lens holder are made of a plastic material.

As
Corrected

20. (Currently Amended) An optical pick-up actuator comprising:
a moving part which includes a lens holder mounted with an object lens, a magnet and coils at an outer surface of said moving part;
a fixed part which includes a magnet attached on a yoke and coils at an outer surface of said fixed part; and
a plurality of supporting means adapted to support said moving part;
wherein said moving part and said fixed part have a configuration of a ~~cobination~~
combination of a moving coil system and a moving magnet system;
wherein a flux linkage resulting from the magnetic circuit of both said moving part and said fixed part exists in a space between said moving part and said fixed part.
